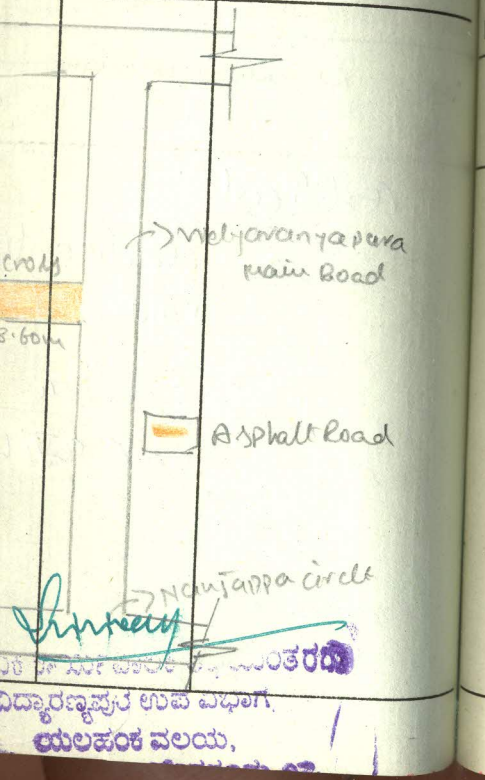
K

epth 6	Contents 7	Reference to last Measurement 8



First & Final Bill

SBM No-23/15-16

A: 30-H-15

M. A. R. 57 (Rule 116)
Measurement Book

BR-15/30-415

No. B

251055

Serial No. .....

Name of Work Asphalting to Road from Ramachandrappa Circle to front Toilet Block in ward No-10. (Doddabommasandra) From ..... To .....

Name of Contractor of nature of Agency ..... Sri. Aswathnarayana Anjanappa

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Work Code No: 010-15-000016.						
	work order No: EE/BTP/BBMP/E-PMT/						
	Address of Agency: #38, Channappa Layout Sharadamba nagara, Jalahalli village Bangalore-13.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1) Earthwork excavation by manual means in ordinary soil involving an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods. Drain Desilting						
		2	30.00	0.60	0.45	= 16.20 cum	
		2	30.00	0.60	0.35	= 12.60 cum	
		2	30.00	0.60	0.45	= 16.20 cum	
		2	30.00	0.60	0.45	= 16.20 cum	
		2	30.00	0.60	0.50	= 18.00 cum	
		2	30.00	0.60	0.45	= 16.20 cum	
		2	30.00	0.60	0.35	= 12.60 cum	
		2	30.00	0.60	0.45	= 16.20 cum	
		2	30.00	0.60	0.45	= 16.20 cum	
		2	30.00	0.60	0.45	= 16.20 cum	
		2	30.00	0.60	0.35	= 12.60 cum	
		2	30.00	0.60	0.50	= 18.00 cum	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	2) Scarifying existing stone bituminous surface, Pa	

Contents 7	Reference to last Measurement 8
oil involving an	
des neatly dressed	
ng of clays.	
16.20 cum	
12.60 cum	
16.20 cum	
16.20 cum	
18.00 cum	
16.20 cum	
12.60 cum	
16.20 cum	
16.20 cum	
16.20 cum	
12.60 cum	
18.00 cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251056

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		2	30.00	0.60	0.30 =	10.80 Cum	
		2	30.00	0.60	0.50 =	18.00 Cum	
		2	30.00	0.60	0.35 =	12.60 Cum	
		2	30.00	0.60	0.45 =	16.20 Cum	
		2	30.00	0.60	0.40 =	14.40 Cum	
		2	10.00	0.60	0.45 =	5.40 Cum	
					Total =	264.60 Cum	
					Qty limited to Tender =	264.00 Cum	
					@ Rs 90.00	Rs 23760.00	
	2) Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, Picking up scarified metal ways and stacking of old						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	old serviceable materials with lead of 100m sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per KIBM specifications						
	Ramachandrapura Circle to Toilet Block	1	30.00 (17.00+16.00+10.70+7.40)/4			= 383.25 Sqm	
		1	30.00 (7.40+6.60)/2			= 210.00 Sqm	
		1	30.00 (6.60+6.30)/2			= 193.50 Sqm	
		1	30.00 (6.30+6.60)/2			= 193.50 Sqm	
		1	30.00 (6.60+8.90)/2			= 232.50 Sqm	
		1	30.00 (8.9+8.50)/2			= 255.00 Sqm	

M. A
Me

Serial No. .....
Name of Work ..... From
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	4th Mainnangappa Layout	1
		1
		1
		1
		1
	4th A Cross	1
		1

OK

Depth 6	Contents 7	Reference to last Measurement 8
		on Sequential spreading egularly on prepared base
		+10.70) = 383.28 Sqm
		= 210.00 Sqm
		= 193.50 Sqm
		= 193.50 Sqm
		= 232.50 Sqm
		= 255.00 Sqm

M. A. R. 57 (Rule 116)
Measurement Book

No. B 251057

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	4th Main Nanjappa Layout	1	30.00	(8.10+8.30)/2		= 248.00 Sqm	
		1	30.00	(8.30+8.00)/2		= 244.80 Sqm	
		1	32.00	(8.0+6.20)/2		= 172.80 Sqm	227.2
		1	25.00	(5.30+4.80)/2		= 122.50 Sqm	
		1	30.00	(4.5+5.20)/2		= 145.50 Sqm	
	4th A Cross	1	32.90	(5.20+5.30)/2		= 170.02 Sqm	
		1	15.00	(4.9+5.0)/2		= 74.25 Sqm	
					Total =	2648.32 Sqm	

2203.72

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty limited to Tender @ Rs 90.00					= 2640.00 Sqm Rs 237600.00	
	3) providing, laying spreading and compacting grade stone aggregates to wet mix macadam specification including premixing the materials macadam specifications including the materials with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface						
	Ramachandrapura Circle to Toilet Block	L	30.00 (17.00 + 16.00 + 10.70 + 7.40) / 4		0.20	= 76.65 Cum	
		L	30.00 (7.40 + 6.00) / 2		0.20	= 40.00 Cum	
		L	30.00 (6.6 + 6.30) / 2		0.20	= 38.70 Cum	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	4th Main Narayappa Layout

Contents	Reference to last Measurement
7	8
2640.00 Sqm	
	Rs 237600.00
ne aggregates to wet	
aterbound macadam	
at one in mechanical	
Sate, laying in	
n well prepared	
= 76.65 cum	
2.00 Cum	
8.70 cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 251058

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4th Main Narayappa Layout	1	30.00	(6.3+6.60)/2	0.20	= 38.70 cum	
		1	30.00	(6.6+8.80)/2	0.20	= 46.50 cum	
		1	30.00	(8.9+8.10)/2	0.20	= 51.00 cum	
		1	30.00	(8.10+8.35)/2	0.20	= 49.20 cum	
		1	30.00	(8.30+8.00)/2	0.20	= 48.90 cum	
		1	32.00	(8.0+6.20)/2	0.20	= 34.56 cum	RS 44
		1	25.00	(5.30+4.50)/2	0.20	= 24.50 cum	
		1	30.00	(4.5+5.20)/2	0.20	= 29.10 cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4th A Cross	1	32.90	(5.20+5.50)/2	0.20	= 35.20 Cum	
		1	15.00	(4.9+5.0)/2	0.20	= 14.85 Cum	
					Total	= 529.86 Cum	
						limited to Tender = 528.00 Cum	
						@ Rs 1400.00	Rs 7392.00.00
4)	Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire brushes and small picks Sweeping with brooms or soft brushes and finally dusting with old gunny bags and/or compressed air to recieve bituminous treatment including cost of all materials.						
	Ramachandra Para Concrete Toilet Block	1	30.00	(17.00+16.00+10.70+7.40)/2		= 383.25 Sqm	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
	4th Main Nanjappa Layout	1

Contents 7	Reference to last Measurement 8
35.20 cum	
14.85 cum	
529.86 cum	30.24
528.00 cum	
Rs 739200.00	
g removing of binding ruffly and small picky duffing with old gunny treatment in chueling	
740) = 383.25 Sqm	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251059

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	30.00	(7.40+6.60)/2		= 210.00 Sqm	
		1	30.00	(6.60+6.30)/2		= 193.50 Sqm	
		1	30.00	(6.3+6.60)/2		= 193.50 Sqm	
		1	30.00	(6.60+8.90)/2		= 232.50 Sqm	
		1	30.00	(8.9+8.60)/2		= 255.00 Sqm	
		1	30.00	(8.60+8.30)/2		= 246.00 Sqm	
		1	30.00	(8.30+8.0)/2		= 244.50 Sqm	
		1	32.00	(8.00+6.20)/2		= 472.80 Sqm	227.2
	9th Main Nanjappa Layout	1	25.00	(5.30+4.80)/2		= 122.50 Sqm	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4th A cross	1	30.00 (4.5+5.20)/2			= 145.50 Sqm	
		1	32.90 (5.20+5.80)/2			= 176.02 Sqm	
		1	15.00 (4.9+5.00)/2			= 74.28 Sqm	
					Total =	2649.32 Sqm	
			Qty limited to Tender =			2640.00 Sqm	
			@ Rs 11.00			Rs 29040.00	
5)	providing and applying primer coat for surfaces of medium porosity like cement stabilized soil base @ 1.10 kg/sqmt over prepared surface with S.S. bitumen emulsion using bitumen tanker fitted with spray set including cost of all materials						

M. A
M

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Qty vide @ Rs	
6)	Providing and laying semi dens of specified grading premix hot mix to work site, laying level and alignment, rolling w Reinforcement work to Toilet Block	1 1

Contents	Reference to last Measurement
7	8
= 145.50 Sqm	
= 176.02 Sqm	
74.25 Sqm	
2849.32 Sqm	4917.77
2640.00 Sqm	
RS 29040.00	
reduce porosity take prepared surface with with spray set	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251060

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		Qty vide Item No- 04 @ RS 74.00			=	2640.00 Sqm RS 195360.00	
	6) Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading premixing with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller Ramachandaru pura to Toilet Block	1	30.00	(17.0+16.0+10.70+7.40)/2	0.025 = 9.58 cum		
		1	30.00	(7.40+6.60)/2	0.025 = 5.25 cum		

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	(6.6+6.30)/2	0.025	= 4.84 Cum	
		1	30.00	(6.30+6.60)/2	0.025	= 4.84 Cum	
		1	30.00	(6.60+8.90)/2	0.028	= 5.81 Cum	
		1	30.00	(8.90+8.10)/2	0.025	= 6.38 Cum	
		1	30.00	(8.10+8.30)/2	0.025	= 6.15 Cum	
		1	30.00	(8.30+8.10)/2	0.025	= 6.11 Cum	
		1	32.00	(8.10+6.20)/2	0.025	= 4.32 Cum 5.68	
	Nanjappa Layout 4th Main	1	28.00	(5.3+4.50)/2	0.025	= 3.06 Cum	
		1	30.00	(4.50+5.20)/2	0.025	= 3.64 Cum	
		1	32.90	(5.20+5.50)/2	0.025	= 4.40 Cum	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3
	4th A Cross	1
		Qty
		@ R
7)	Cost for Disposal of Debris s	
	including loading & unlo	
	Qty vide Item	
	@ Rs 7	

ಸ.ರಾ.ಅ. 27/4

Contents 7	Reference to last Measurement 8
= 4.84 Cum	
= 4.84 Cum	
= 5.81 Cum	
= 6.38 Cum	
= 6.15 Cum	
= 6.11 Cum	
= 4.32 Cum 5.68	
= 3.06 Cum	
= 3.64 Cum	
= 4.40 Cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251061

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	4th A Cross	1	15.00 (4.9+5.0)/2		0.025 =	1.86 Cum	CBFC
					Total =	66.23 Cum 7.60	
		Qty limited to tender			=	66.00 Cum	27/4/2015 M.B. (Pg. 2)
		@ Rs 11070.00				Rs 730620.00	
7)	Road for Disposal of Debris shall be payable at carriage rates by Mechanical means including loading & unloading.						
		Qty vide Item No-01			=	264.00 Cum	
		@ Rs 71.60				Rs 18902.00	

ಸ.ರಾ.ಆ. 27/4

BR 15
30/4/15

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total Rs	1974482/00

1974480-00

170156-00
and Rs 27296-00

Certificate:-
Certified that the above work done satisfactory and no materials issued from departmentally

Zadhav
AE 27/4/2015.

IT - 19745-00
VAT - 78980-00
LWF - 19745-00
CSP - 1975-00
FSD - 118469-00
SD - 33550-00
Fine - 570-00
Total: 272965-00

Zadhav
AE 27/4/2015.

2/9/16

27/4

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃ.ಬೆಂ.ಮ.ಪಾ., ಬೆಂಗಳೂರು-97.

Sketch Showing in Page No - 25108 in this MB. No - 2511

First & Final Bill

SBR No - 27
P: 30

Serial No. .....
Name of Work Asphalting to
Name of Contractor or nature of Age
Date of commencement of work .....

Date	Full description, etc, of wor
1	2
	Work Code No:- 0
	Agreement No:- 2
	Work order No:- E
	Address of Agency:

Contents	Reference to last Measurement
7	8

Asphalt Road Done

RCC Drain Done

ಅಧೀಯಂತರಗ.
ಪ ವಿಭಾಗ,
ಲಯ,
ಂಗಳೂರು-97.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

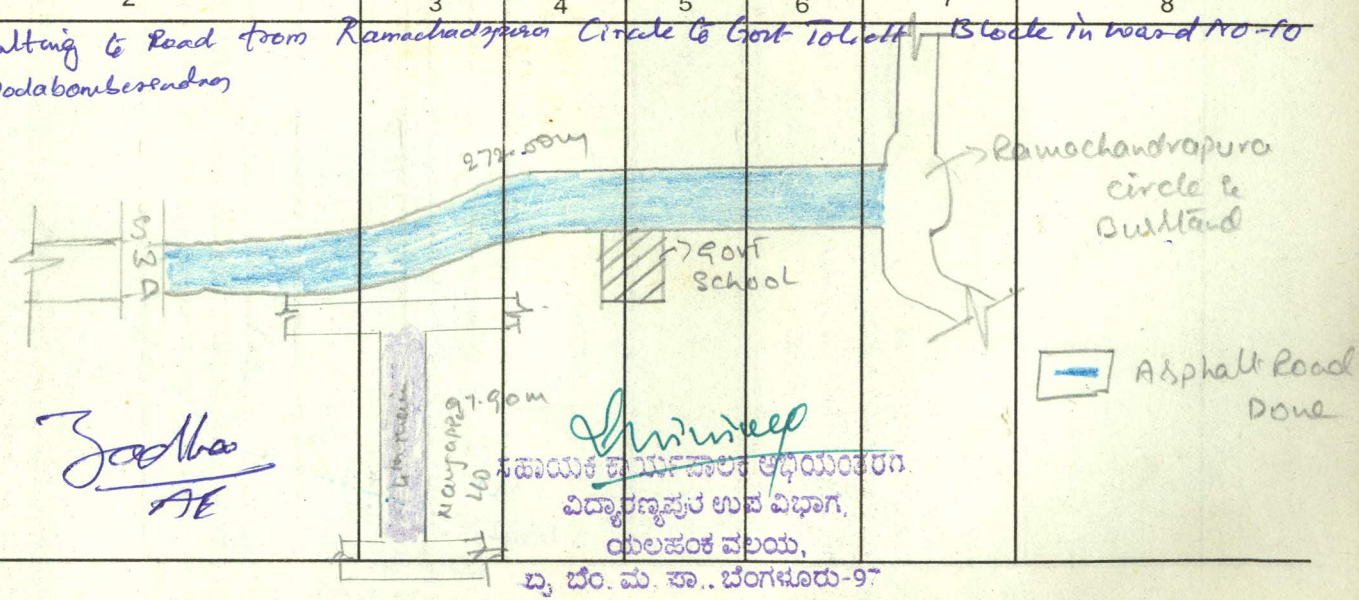
251080

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Asphalting & Road from Ramachadrapura Circle to Govt Toilet Blocke in ward No-10 Dodabomberendrapa						



AE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧೀಯಂತರಗ
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬ್ಬಿ ಬೆಂ. ಮ. ಪಾ.. ಬೆಂಗಳೂರು-97